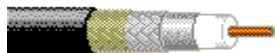


301-RG590F-SSBK-1223

RG59 Coaxial Cable Standard Shield With Flooding Compound



DESCRIPTION

20 AWG bare copper covered steel center conductor, gas expanded polyethylene dielectric, inner shield aluminum-polypropylene-aluminum laminated tape with overlap bonded to dielectric, outer shield of 34 AWG Aluminum wire braid shield, PVC jacket.

APPLICATION

CATV, MATV.

PHYSICAL CHARACTERISTICS

Conductor

AWG

Coax	AWG	Stranding	Conductor Material	Diameter (mm)
1	20	Soil	BCCS	0.81

Insulation

Insulation Material

Insulation Material	Diameter (mm)
FPE – Foam Polyethylene	0.81

Outer Shield

Outer Shield Material

Layer	Type	Outer Shield Material	Coverage
1	Tape	Aluminum-Polypropylene-Aluminum	100%
2	Braid	34 AWG Aluminum	60%

Normal Diameter Over First Shield (Tape) 3.84 mm

Outer Jacket

Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC – Polyvinyl Chloride	0.81

Overall Cabling

Overall Nominal Diameter : 6.10 mm

Color Black

Mechanical Characteristics (Overall Cable)

Operating Temperature Range	-20°C to 70°C
Temperature Rating	70°C
Max Pulling Tension	47 Kg
Min. Bend Radius	57.15 mm

Applicable Specifications And Agency Compliance (Overall Cable)

Applicable Standards

EU CE Mark (Y/N)	Yes
EU Directive 2002/95/EC (RoHS) (Y/N)	Yes
EU RoHS (Y/N)	Yes
UL Certificate	Yes

Electrical Characteristics (Overall Cable)

Nom. Characteristic Impedance

Impedance (Ohm)
75

Nom. Capacitance

Capacitance (pF/m)
50.0

Nom. Velocity Of Propagation

Velocity Of Propagation
85%

Max. Shielding Effectiveness

Shielding Effectiveness(dB)
>100

ATTENUATION		
Frequency (Mhz)	Maximum (dB/100ft)	Maximum (dB/100m)
5	0.86	2.82
55	2.05	6.73
211	3.80	12.47
250	4.10	13.45
350	4.80	15.75
400	5.10	16.73
450	5.40	17.72
500	5.70	18.70
550	5.95	19.52
600	6.20	20.34
750	6.97	22.87
865	7.52	24.67
1000	8.12	26.64
1200	8.97	29.40
1450	9.88	32.41
1750	10.99	36.04
2000	11.85	39.95

Part Number

301-RG590F-SSBK-1223	RG59 Coaxial Cable Standard Shield With Flooding Compound, Black.
----------------------	---

Product Family

301-RG5900-SSBK-1223	RG59 Coaxial Cable Standard Shield, Black.
301-RG5900-3SBK-1223	RG59 Coaxial Cable Tri-Shield, Black.
301-RG5900-QSBK-1223	RG59 Coaxial Cable Quad Shield, Black.

© Alantek Communications USA
All Right Reserved.

Alantek® Communications USA 2006. This information provides a general description of product and shall not form part of any contract. Improvement or changes may be made to the product without advanced notification.